

**In the Abstract**

Please amend the abstract by replacing the present abstract with the following:

-- This invention relates generally to the end derivatization of single-wall carbon nanotubes and to the introduction of endohedral groups to single-wall carbon nanotubes. In one embodiment, the single-wall carbon nanotubes are chemically derivatized at their ends (which may be made either open or closed with a hemi-fullerene dome). In another embodiment, the single-wall carbon nanotubes can be modified endohedrally, such as, for example, by including one or more metal atoms inside the structure or, alternatively, by loading the single-wall carbon nanotubes with one or more smaller molecules that do not bond to the structures.--